



The ASD Work Experience Program is designed for students in years 11 and 12 who have a passion to learn more about ICT, cyber security, programming and network engineering. High achieving year 10 students may be considered if they can display the level of skill and knowledge required.

Applications are now open for two sessions below:

18 - 22 September 2023 (Last week of term 3)

25 - 29 September 2023 (First week of the holidays)

This program offers several challenges designed to increase STEM knowledge and understanding, such as:

- Python programming
- Identifying security intrusions on a computer system
- Identifying email compromises
- Monitoring network traffic to detect exploits
- Conducting forensic examinations of hard drives
- Exploiting web application vulnerabilities
- Learning modern encryption methods and how they are used to protect data
- Using open-source software to recover keys and encrypt and decrypt data
- Performing geospatial analysis and utilizing geospatial tools for imagery analysis
- Engineering hardware and software solutions for security problems
- Robotics programming using Arduino
- Constructing electrical circuits

At the completion of the Program, students will present their achievements to mentors, work experience coordinators/teachers, parents and ASD leadership.

To apply, please visit: <http://www.defence.gov.au/workexperience/>

Enquiries to Ms Jones in the Careers Office or email Bronwyn.jones@sfx.act.edu.au

Are you a student who is passionate about learning and is interested in ICT, cyber security, programming and engineering?

Come and see what it's like to solve a cyber security incident!

Learn about the tools and techniques required to solve these problems in an ASD Cyber Security work environment.

You will be mentored by highly technical ASD staff and solve a variety of challenges and experiences designed to build new skills and understandings while also having fun. Activities range from programming, intercept and encrypt, forensic analysis and investigation, web application and security, cryptanalysis, geospatial analysis, to prototyping with an Arduino.